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Sequence Listing was accepted with existing errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: Thu Jul 26 15:13:52 EDT 2007

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217-9197 (toll free).

Reviewer: markspencer

Timestamp: Fri Jul 13 08:23:43 EDT 2007

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Validated By CRFValidator v 1.0.2

Application No: 10576281 Version No: 2.1

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No. of SeqIDs Defined: 21
Actual SeqID Count: 21

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SEQUENCE LISTING

<110> Toshihiro NAKAJIMA
Tetsuya AMANO
Lei ZHANG
Rie IKEDA
Satoshi YAMASAKI
Naoko YAGISHITA

<120> Method of inhibiting secretase activity

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<141> 2007-07-06

<150> PCT/JP2004/015950

<151> 2004-10-20

<150> JP2003-359704

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SEQUENCE LISTING

<110> Toshihiro NAKAJIMA
Tetsuya AMANO
Lei ZHANG
Rie IKEDA
Satoshi YAMASAKI
Naoko YAGISHITA

<120> Method of inhibiting secretase activity

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Leu	Leu	Pro	Pro	Phe	Pro	Pro	Gly	Met	Phe	Pro	Leu	Trp	Pro	Pro	Met	
		375				380					385					
ggc	ccc	ttt	cca	cct	gtc	ccg	cct	ccc	ccc	agc	tca	gga	gag	gct	gtg	1614
Gly	Pro	Phe	Pro	Pro	Val	Pro	Pro	Pro	Pro	Ser	Ser	Gly	Glu	Ala	Val	
	390					395				400						
gct	cct	cca	tcc	acc	agt	gca	gca	gcc	ctt	tct	cgg	ccc	agt	gga	gca	1662
Ala	Pro	Pro	Ser	Thr	Ser	Ala	Ala	Ala	Leu	Ser	Arg	Pro	Ser	Gly	Ala	
405					410				415					420		
gct	aca	acc	aca	gct	gct	ggc	acc	agt	gct	act	gct	gct	tct	gcc	aca	1710
Ala	Thr	Thr	Thr	Ala	Ala	Gly	Thr	Ser	Ala	Thr	Ala	Ala	Ser	Ala	Thr	
				425				430					435			
gca	tct	ggc	cca	ggc	tct	ggc	tct	gcc	cca	gag	gct	ggc	cct	gcc	cct	1758
Ala	Ser	Gly	Pro	Gly	Ser	Gly	Ser	Ala	Pro	Glu	Ala	Gly	Pro	Ala	Pro	
			440			445							450			
ggc	ttc	ccc	ttc	cct	cct	ccc	tgg	atg	ggc	atg	ccc	ctg	cct	cca	ccc	1806
Gly	Phe	Pro	Phe	Pro	Pro	Pro	Trp	Met	Gly	Met	Pro	Leu	Pro</			

470	475	480	
acc cca gag gag cta cga gct ctg gag ggc cat gag cgg cag cac ctg			1902
Thr Pro Glu Glu Leu Arg Ala Leu Glu Gly His Glu Arg Gln His Leu			
485	490	495	500
gag gcc cgg ctg cag agc ctg cgt aac atc cac aca ctg ctg gac gcc			1950
Glu Ala Arg Leu Gln Ser Leu Arg Asn Ile His Thr Leu Leu Asp Ala			
505	510	515	
gcc atg ctg cag atc aac cag tac ctc acc gtg ctg gcc tcc ttg ggg			1998
Ala Met Leu Gln Ile Asn Gln Tyr Leu Thr Val Leu Ala Ser Leu Gly			
520	525	530	
ccc ccc cgg cct gcc act tca gtc aac tcc act gag ggg act gcc act			2046
Pro Pro Arg Pro Ala Thr Ser Val Asn Ser Thr Glu Gly Thr Ala Thr			
535	540	545	
aca gtt gtt gct gct gcc tcc tcc acc agc atc cct agc tca gag gcc			2094
Thr Val Val Ala Ala Ala Ser Ser Thr Ser Ile Pro Ser Ser Glu Ala			
550	555	560	
acg acc cca acc cca gga gcc tcc cca cca gcc cct gaa atg gaa agg			2142
Thr Thr Pro Thr Pro Gly Ala Ser Pro Pro Ala Pro Glu Met Glu Arg			
565	570	575	580
cct cca gct cct gag tca gtg ggc aca gag gag atg cct gag gat gga			2190
Pro Pro Ala Pro Glu Ser Val Gly Thr Glu Glu Met Pro Glu Asp Gly			
585	590	595	
gag ccc gat gca gca gag ctc cgc cgg cgc cgc ctg cag aag ctg gag			2238
Glu Pro Asp Ala Ala Glu Leu Arg Arg Arg Arg Leu Gln Lys Leu Glu			
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tct cct gtt gcc cac tga cactgcccc gcccagcccc agcctctgct			2286
Ser Pro Val Ala His			
615			
cttttgagca gccctcgctg gaacatgtcc tgccaccaag tgccagctcc ctctctgtct			2346
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ggaaaggaat gcctgggagt ggggggtgcag gcgggcagca ctgagggacc ctgccccgcc			2886


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cctcccccca ggcccccttc ccctgcagct tctcaagtga gactgacctg tctcaccag 2946
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Ala Val Val Ala His Ala Tyr Tyr Leu Lys His Gln Phe Tyr Pro Thr
20           25           30

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```

Val Val Tyr Leu Thr Lys Ser Ser Pro Ser Met Ala Val Leu Tyr Ile
35           40           45

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Gln Ala Phe Val Leu Val Phe Leu Leu Gly Lys Val Met Gly Lys Val
50           55           60

```

```

Phe Phe Gly Gln Leu Arg Ala Ala Glu Met Glu His Leu Leu Glu Arg
65           70           75           80

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```

Ser Trp Tyr Ala Val Thr Glu Thr Cys Leu Ala Phe Thr Val Phe Arg
85           90           95

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Asp Asp Phe Ser Pro Arg Phe Val Ala Leu Phe Thr Leu Leu Leu Phe
100           105           110

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Leu Lys Cys Phe His Trp Leu Ala Glu Asp Arg Val Asp Phe Met Glu
115           120           125

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Arg Ser Pro Asn Ile Ser Trp Leu Phe His Cys Arg Ile Val Ser Leu
130 135 140

Met Phe Leu Leu Gly Ile Leu Asp Phe Leu Phe Val Ser His Ala Tyr
145 150 155 160

His Ser Ile Leu Thr Arg Gly Ala Ser Val Gln Leu Val Phe Gly Phe
165 170 175

Glu Tyr Ala Ile Leu Met Thr Met Val Leu Thr Ile Phe Ile Lys Tyr
180 185 190

Val Leu His Ser Val Asp Leu Gln Ser Glu Asn Pro Trp Asp Asn Lys
195 200 205

Ala Val Tyr Met Leu Tyr Thr Glu Leu Phe Thr Gly Phe Ile Lys Val
210 215 220

Leu Leu Tyr Met Ala Phe Met Thr Ile Met Ile Lys Val His Thr Phe
225 230 235 240

Pro Leu Phe Ala Ile Arg Pro Met Tyr Leu Ala Met Arg Gln Phe Lys
245 250 255

Lys Ala Val Thr Asp Ala Ile Met Ser Arg Arg Ala Ile Arg Asn Met
260 265 270

Asn Thr Leu Tyr Pro Asp Ala Thr Pro Glu Glu Leu Gln Ala Met Asp
275 280 285

Asn Val Cys Ile Ile Cys Arg Glu Glu Met Val Thr Gly Ala Lys Arg
290 295 300

Leu Pro Cys Asn His Ile Phe His Thr Ser Cys Leu Arg Ser Trp Phe
305 310 315 320

Gln Arg Gln Gln Thr Cys Pro Thr Cys Arg Met Asp Val Leu Arg Ala
325 330 335

Ser Leu Pro Ala Gln Ser Pro Pro Pro Pro Glu Pro Ala Asp Gln Gly
340 345 350

Pro Pro Pro Ala Pro His Pro Pro Pro Leu Leu Pro Gln Pro Pro Asn
 355 360 365

Phe Pro Gln Gly Leu Leu Pro Pro Phe Pro Pro Gly Met Phe Pro Leu
 370 375 380

Trp Pro Pro Met Gly Pro Phe Pro Pro Val Pro Pro Pro Pro Ser Ser
 385 390 395 400

Gly Glu Ala Val Ala Pro Pro Ser Thr Ser Ala Ala Ala Leu Ser Arg
 405 410 415

Pro Ser Gly Ala Ala Thr Thr Thr Ala Ala Gly Thr Ser Ala Thr Ala
 420 425 430

Ala Ser Ala Thr Ala Ser Gly Pro Gly Ser Gly Ser Ala Pro Glu Ala
 435 440 445

Gly Pro Ala Pro Gly Phe Pro Phe Pro Pro Pro Trp Met Gly Met Pro
 450 455 460

Leu Pro Pro Pro Phe Ala Phe Pro Pro Met Pro Val Pro Pro Ala Gly
 465 470 475 480

Phe Ala Gly Leu Thr Pro Glu Glu Leu Arg Ala Leu Glu Gly His Glu
 485 490 495

Arg Gln His Leu Glu Ala Arg Leu Gln Ser Leu Arg Asn Ile His Thr
 500 505 510

Leu Leu Asp Ala Ala Met Leu Gln Ile Asn Gln Tyr Leu Thr Val Leu
 515 520 525

Ala Ser Leu Gly Pro Pro Arg Pro Ala Thr Ser Val Asn Ser Thr Glu
 530 535 540

Gly Thr Ala Thr Thr Val Val Ala Ala Ala Ser Ser Thr Ser Ile Pro
 545 550 555 560

Ser Ser Glu Ala Thr Thr Pro Thr Pro Gly Ala Ser Pro Pro Ala Pro
 565 570 575

Glu Met Glu Arg Pro Pro Ala Pro Glu Ser Val Gly Thr Glu Glu Met
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Gln Lys Leu Glu Ser Pro Val Ala His
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